

## RAP2A Human

**Description:** RAP2A Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 200 amino acids (1-180 a.a.) and having a molecular mass of 22.4kDa. The RAP2A is purified by proprietary chromatographic techniques.

Catalog #: PRPS-068

For research use only.

**Synonyms:** Ras-related protein Rap-2a, RbBP-30, RAP2A, KREV, RAP2, K-REV.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MREYKVVVLG SGGVGKSALT  
VQFVTGTFIE KYDPTIEDFY RKEIEVDSSP SVLEILD TAG TEQFASMRDL YIKNGQGFIL  
VYSLVNQQSF QDIKPMRDQI IRVKRYEKVP VILVGNKVDL ESEREVSSE GRALAE EWGC  
PFMETS AKSK TMVDELFAEI VRQMNYAAQP DKDDPCCSAC.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The RAP2A solution (1 mg/ml) 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.

### Stability:

RAP2A should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

RAP2A belongs to the RAS oncogene family and a Ras-like small G protein. The RAP2A protein shares 60% identity with Rap1A and exhibits a carboxy-terminal CAAX motif and 2 upstream cysteines similar to those of the H-Ras, K-Ras and N-Ras proteins. In contrast with Rap1A and Rap1B, overexpression of RAP2A doesn't obstruct the Ras signaling pathway.

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